

ABSTRACT

DISK LUBRICANT TANK INSERT TO SUPPRESS LUBRICANT SURFACE WAVES

The disk lubricant tank of the present invention includes a lubricant bath cover
5 device that resides on the lubricant bath surface to suppress surface waves. The bath
cover includes a plurality of finger-like projecting members that define a plurality of disk
passage slots therebetween. A plurality of disks are disposed upon a disk holding
mandrel and are lowered into the lubricant bath. Each disk passes through a separate disk
passage slot during the dipping process. The finger-like projections reside on the bath
10 surface between the disk to suppress surface waves that would otherwise impinge upon
side surfaces of the disk, leading to lubricant overcoat areas upon the side surfaces of the
disk. Therefore, hard disks of the present invention are formed with a more uniform
lubricant coating wherein unwanted lubricant overcoat areas formed by surface waves in
the lubricant bath are suppressed.